Installing PowerBook G4 Titanium Mercury PMU

Tools used in this guide	Parts relevant to this guide
● Phillips #0 Screwdriver (1)	● G4 Titanium Mercury PMU Board (1)
● T8 Torx Screwdriver (1)	

The Power Management Unit, hidden beneath the DVD drive.

Step 1 - Keyboard

- Remove the battery.
- Turn the keyboard locking screw so that it is parallel to the space bar.
- Pull the keyboard release tabs toward you and lift up on the keyboard until it pops free.
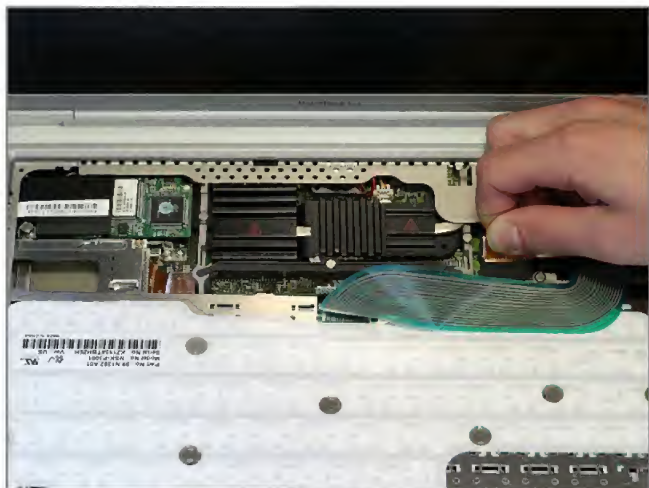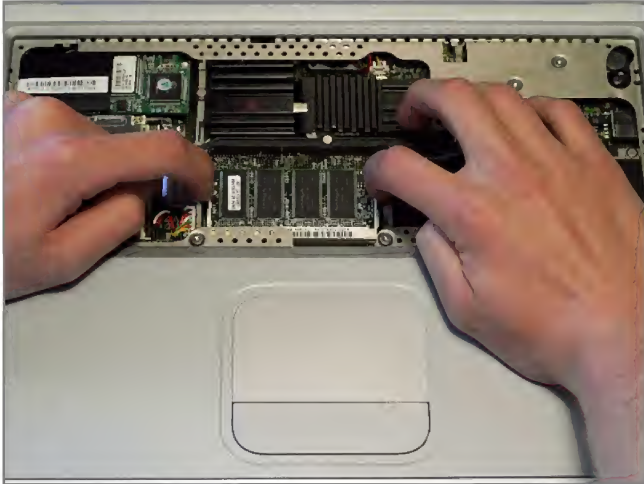
Step 2

- Rest the keyboard face down on the trackpad area.
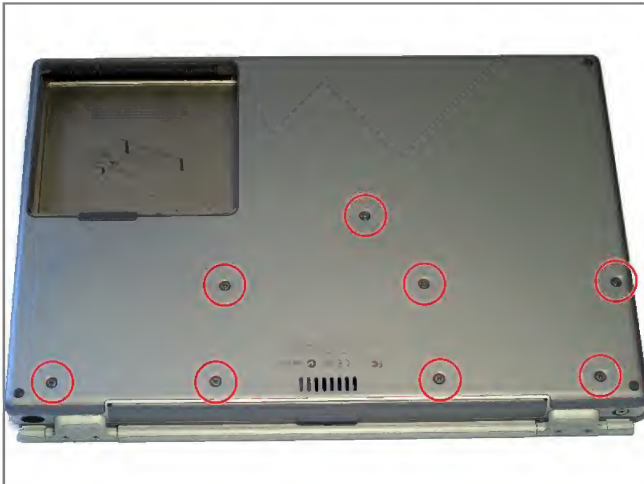- Disconnect the keyboard connector from the logic board.

Step 3

- Your laptop should look approximately like this.

Step 4 - RAM

- Release the tabs on each side of the RAM chip at the same time. These tabs lock the chip in place and releasing them will cause the chip to "pop" up.
- Pull the RAM chip out.
- Repeat this process if a second RAM chip is installed.

Step 5 - Lower Case

- Turn the G4 over.
- Remove the eight Phillips screws from the lower case.

Step 6

- Using your thumbs, slide the lower case away from you.
- The lower case may stick in the front on a tab just above the center of the DVD drive. Be careful as you work the case off, or you may break the thin strip of plastic just above the drive.
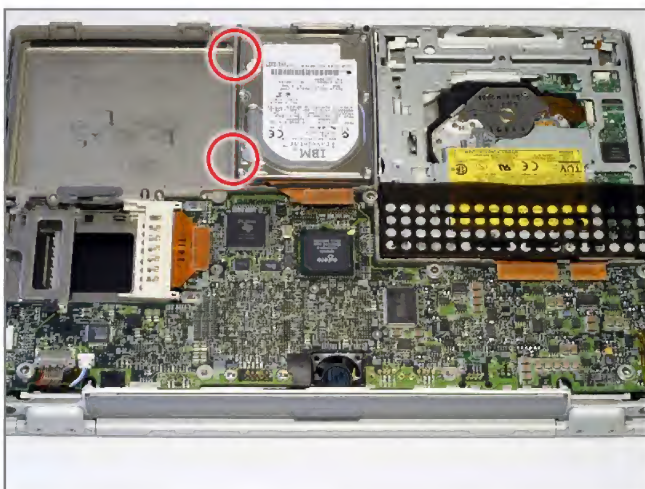- Lift the lower case off.

Step 7

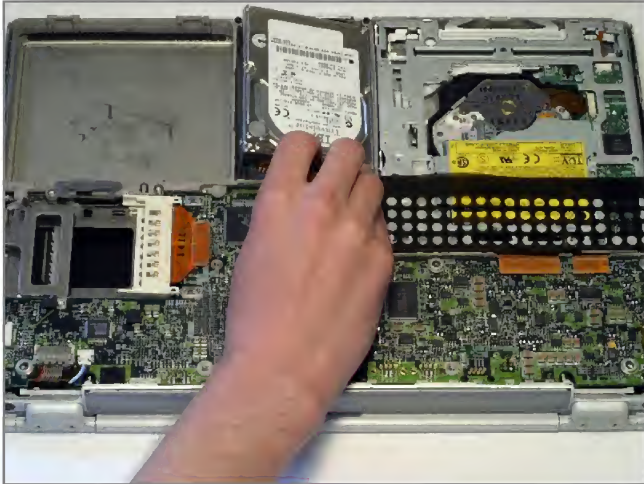- Your laptop should look approximately like this.

Step 8 - Hard Drive

- Disconnect the hard drive ribbon from the logic board using a spudger or the tip of your finger.
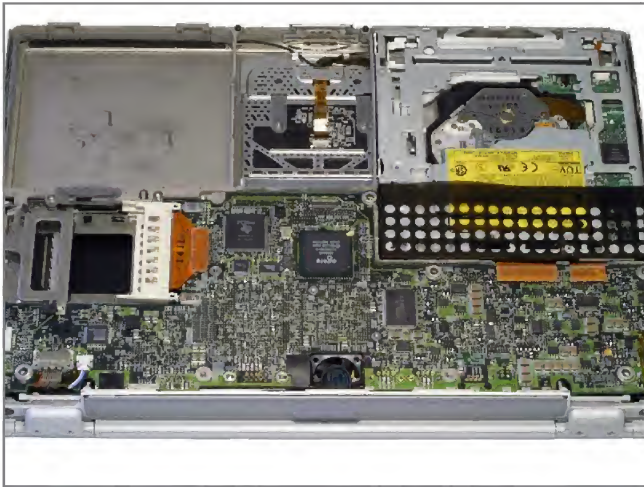

Step 9

- To free the hard drive, remove the two T8 Torx screws from the right wall of the battery housing.

Step 10

- Remove the hard drive by gently grasping the orange ribbon cable and lifting the left edge up and out of the computer.
- There are four rubber bumpers that fit over the hard drive screws. Ensure that these bumpers come out when you remove the hard drive.

Step 11

- Your laptop should look approximately like this.

Step 12 - DVD Drive

- Before continuing, place a soft cloth on your work surface to rest the computer on. Turn the G4 over, making sure the DVD drive doesn't fall out.
- Carefully peel the adhesive strip away from the DVD drive. The plastic dust shield covering the DVD drive is easily damaged. Try to start at the four corners and work toward the center.
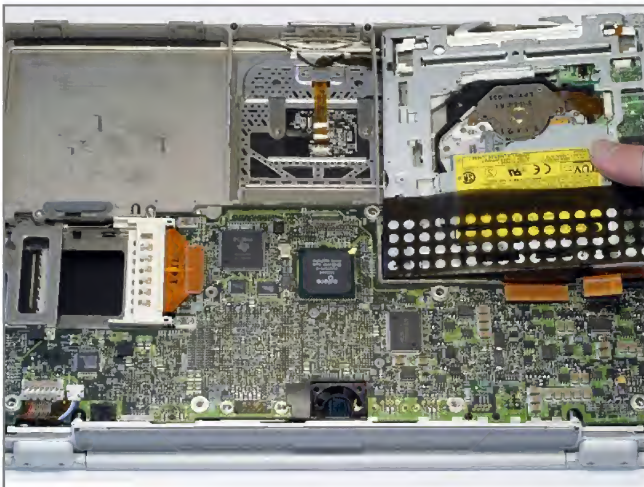
Step 13

- Bend the silver metal EMI clip so that it is vertical. This part may fall out after removing the DVD drive.
- The EMI clip is not essential for reassembling the computer. If the clip falls out, don't worry about putting it back in.
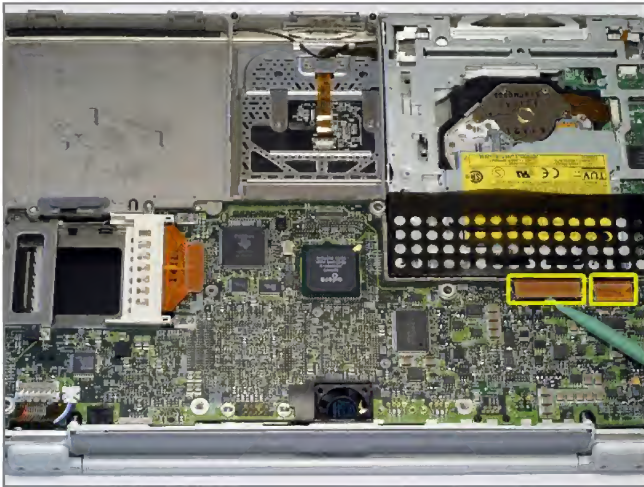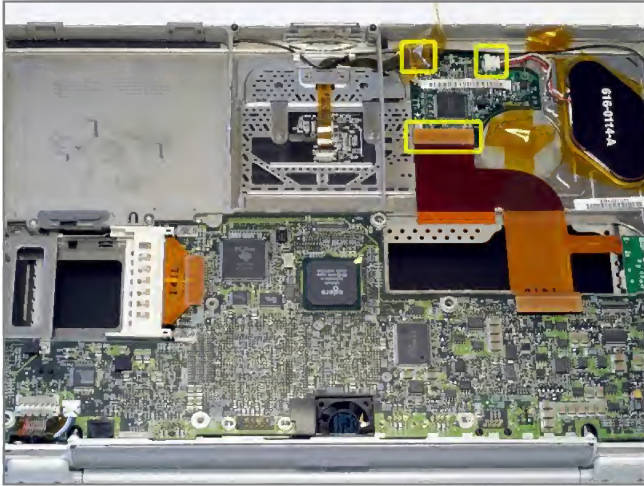
Step 14

- Turn the G4 over.
- Disconnect both orange ribbon cables from the logic board using a spudger or the tip of your finger.
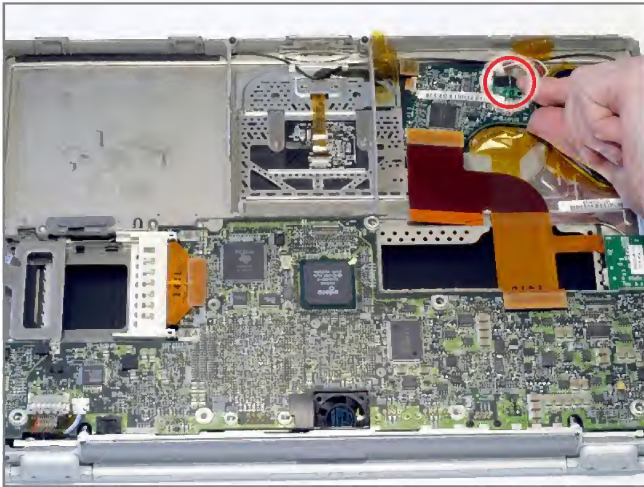
Step 15

- Remove the DVD drive by lifting the right edge up and out of the computer.
- If you have a CD or any other object jammed in your optical drive, we have an optical drive repair guide.

Step 16 - PMU

- Turn the G4 over.
- Peel the orange tape away from the three connectors on the PMU board. Leave this tape in place so you can reuse it when reassembling the G4.
- Disconnect the two orange cables and one multicolored cable from the PMU.

Step 17

- Lift up on the silver metal clip to free the PMU from the casing.
- Remove the PMU rotating it clockwise and pulling up.
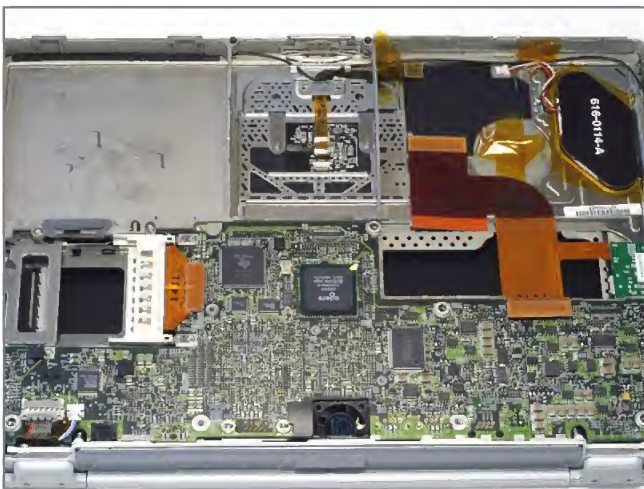
Step 18

- Your laptop should look approximately like this.

To reassemble your device, follow these instructions in reverse order.

This document was last generated on Dec 13, 2010.

G4 Ti Mercury Screw Guide

Lower Case
8 Phillips

Hard Drive
2 T8 Torx

HD Replacement
2 T8 Torx

Modem
1 5mm Standoff

Logic Board (top)
1 T8 Torx

Logic Board (bottom)
2 T8 Torx

PC Card Cage
1 T8 Torx

PC Card Cage
1 T8 Torx

Display (clutch covers)
4 T8 Torx

Display
3 T8 Torx

Display
1 T8 Torx

Inverter Board
1 T8 Torx

To organize your screws, simply place each screw in the appropriate box as you remove them from your laptop.

If you are not planning on immediately reassembling your laptop, you may want to tape the screws to this paper.

Due to model variations, the screws you remove may differ slightly from this guide.